**United States of America**

**DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE**

**Agenda Item 1.29b:** to consider the results of studies related to Resolutions **138 (WRC-2000)** and **78 (WRC-2000)** dealing with sharing between non-GSO and GSO systems;

**Background Information:** WRC-2000 adopted a combination of single-entry validation, operational and, for 3 and 10 meter antennas in the 10.7-12.75 GHz band, single-entry additional operational epfd↓ limits contained in Article **22**, along with the aggregate epfd↓ limits in Resolution **76 (WRC-2000)**, which apply to non-GSO FSS systems to protect GSO networks in the bands 10.7-12.75 GHz, 17.8-18.6 GHz, and 19.7-20.2 GHz. The operational epfd↓ limits were adopted to protect *operational* GSO FSS networks from interference levels that may result in loss of synchronization, or loss of capacity, or severe degradation in performance. Resolution **78 (WRC-2000),** *Development of procedures in case the operational or additional operational limits in Article **22** are exceeded*, invites the ITU-R to undertake the appropriate regulatory studies to develop procedures in cases where the operational or additional operational epfd↓ limits are exceeded at an operational GSO earth station. Compliance with the operational epfd↓ and additional operational epfd↓ limits is not subject to verification by the ITU-BR but by individual administrations.

No. **22.5I** stipulates that if a non-GSO FSS system subject to the operational or additional operational epfd↓ limits contained in Section II of Article **22** at an operational receiving earth station within a GSO network operating in accordance with the Radio Regulations, exceeds these limits then it is a violation of No. **22.2** except as otherwise agreed between concerned administrations. Article **15** (section V) of the Radio Regulations contains the regulatory procedures to address infringements, which can be applied without modification when non-GSO FSS systems exceed the operational or additional operational epfd↓ limits given in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C**. Thus, the U.S. supports the intent of Method A1 for satisfying this agenda item (see Section 3.2.2 of the Draft Conference Preparatory Meeting Report) to apply the existing provisions in Article **15**. Modification of No. **22.5I** is also proposed in order to point Administrations toward the procedures for resolving this case of interference. This is a slight revision of Method A1, which specified no change to either Article **15** or Article **22**.

**Proposal**:

**USA/ /1** **NOC**

ARTICLE 15

## Interferences

**Reasons:** The current procedures in Article **15** are adequate.

# ARTICLE 22

## Space services

**USA/ /2 MOD**

**22.5I** 6) An administration operating a non-geostationary-satellite system in the fixed-satellite service which is in compliance with the limits in Nos. **22.5C**, **22.5D** and **22.5F** shall be considered as having fulfilled its obligations under No. **22.2** with respect to any geostationary-satellite network, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-geostationary-satellite system and the geostationary-satellite network, provided that the epfd$\downarrow$ radiated by the non-geostationary-satellite system in the fixed-satellite service into any operating geostationary fixed-satellite service earth station does not exceed the operational and additional operational limits given in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C**, when the diameter of the earth station antenna is equal to the values given in Table **22-4A**, **22-4A1** or **22-4C**, or the gain of the earth station is equal to or greater than the values given in Table **22-4B** for the corresponding orbital inclination of the geostationary fixed-satellite service satellite. Except as otherwise agreed between concerned administrations, an administration operating a non-geostationary-satellite system in the fixed-satellite service that is subject to the limits in Nos. **22.5C**, **22.5D** and **22.5F** and which radiates epfd$\downarrow$ into any operating geostationary fixed-satellite service earth station at levels in excess of the operational or additional operational limits given in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C**, when the diameter of the earth station antenna is equal to the values given in Table **22-4A**, **22-4A1** or **22-4C**, or the gain of the earth station is equal to or greater than the values given in Table **22-4B** for the corresponding orbital inclination of the geostationary fixed-satellite service satellite, shall be considered to be in violation of its obligations under No. **22.2** and the provisions of Article **15** (section V) apply. (Rev. WRC-03~~2000~~)

**Reasons:** Article **15** of the Radio Regulations contain provisions that apply when non-GSO systems exceed the operational or additional operational epfd$\downarrow$ limits contained in No. **22.5I**. In order to direct administrations toward the procedures for addressing infringements, it is helpful to refer administrations to Article **15** (section V) in No. **22.5I**.

**USA/ /3 SUP**

# RESOLUTION 78 (WRC-2000)

## Development of procedures in case the operational or additional operational limits in Article 22 are exceeded

**Reasons:** No further studies are needed to develop specific procedures in case the operational or additional operational limits in Article **22** are exceeded.

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